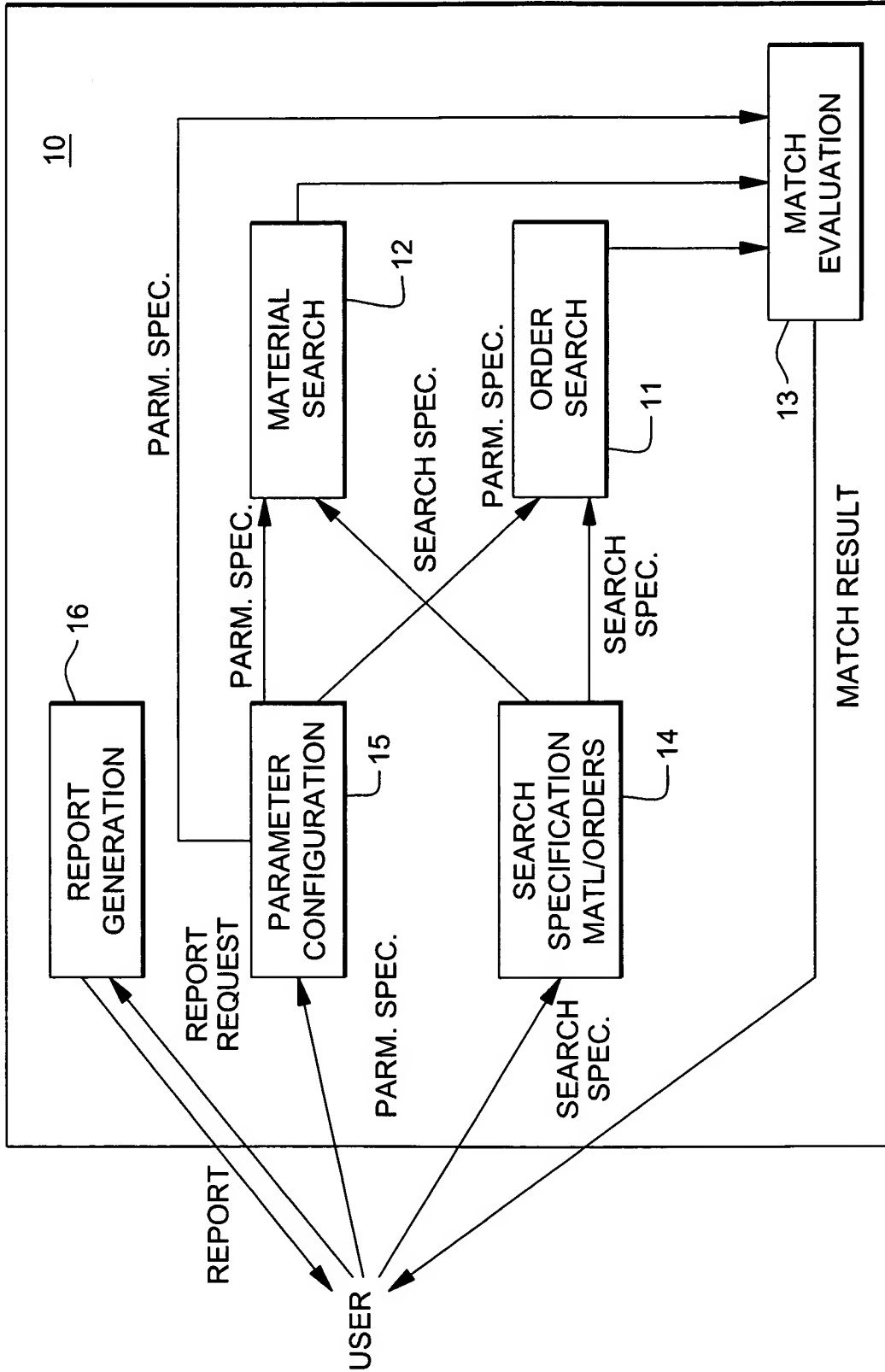


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INVENTORY APPLICATION SYSTEM

FIG. 1

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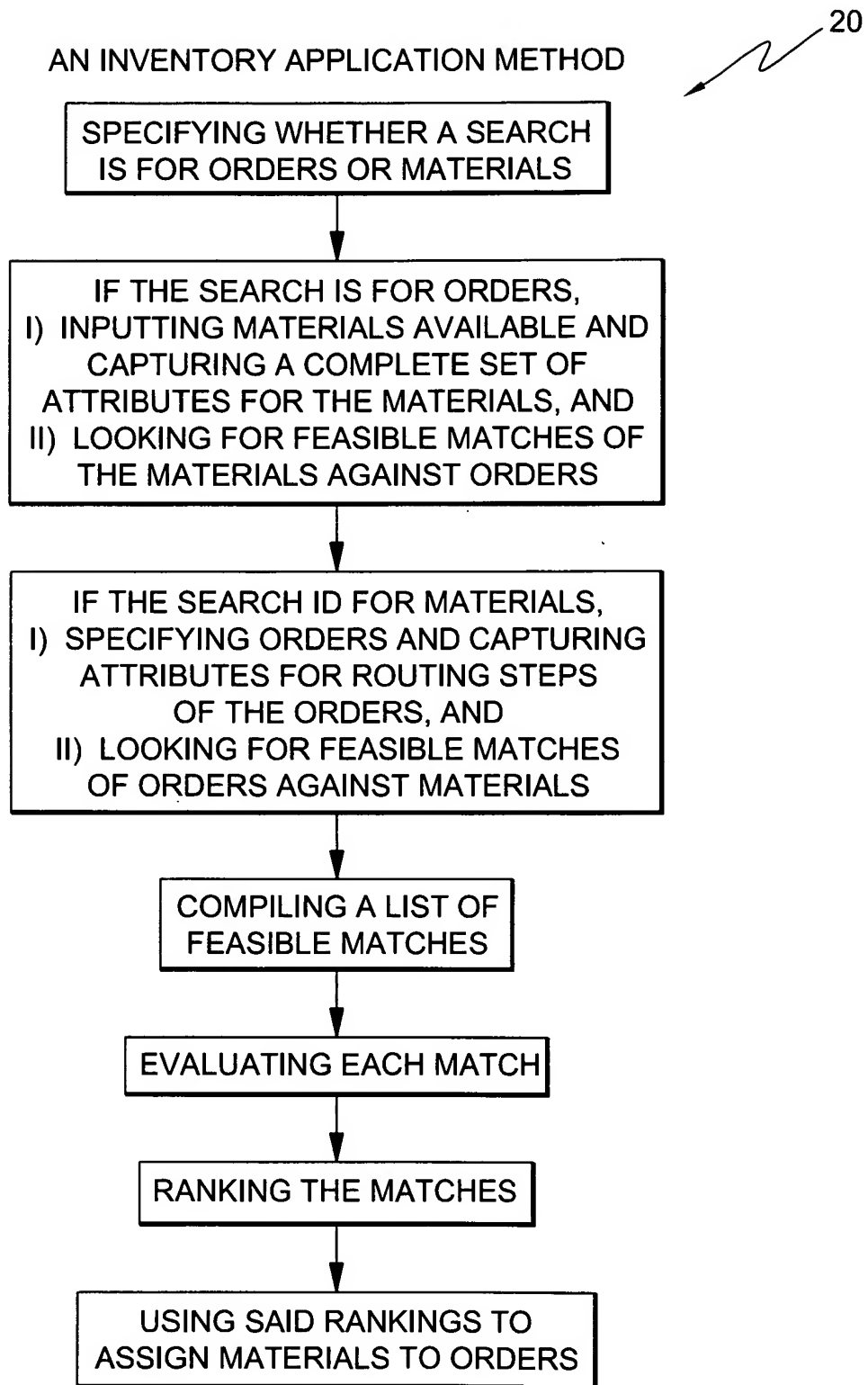


FIG. 2

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A METHOD FOR ALLOCATING MATERIALS
IN A PRODUCTION FACILITY

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IDENTIFYING MATERIALS AND ORDERS
IN PRODUCTION AT A DEFINED TIME



IDENTIFYING MATERIALS THAT ARE
AVAILABLE TO BE ASSIGNED TO ORDERS



ITERATIVELY ASSIGNING AND UNASSIGNING
MATERIALS TO ORDERS UNTIL
(I) ALL THE ORDERS ARE FULFILLED, OR
(II) THERE ARE NO MORE OPTIONS TO BE TESTED

FIG. 3

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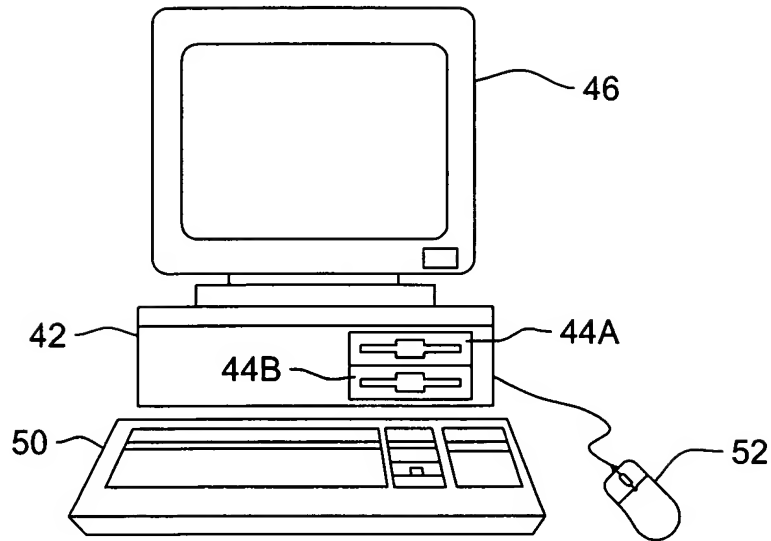


FIG. 4

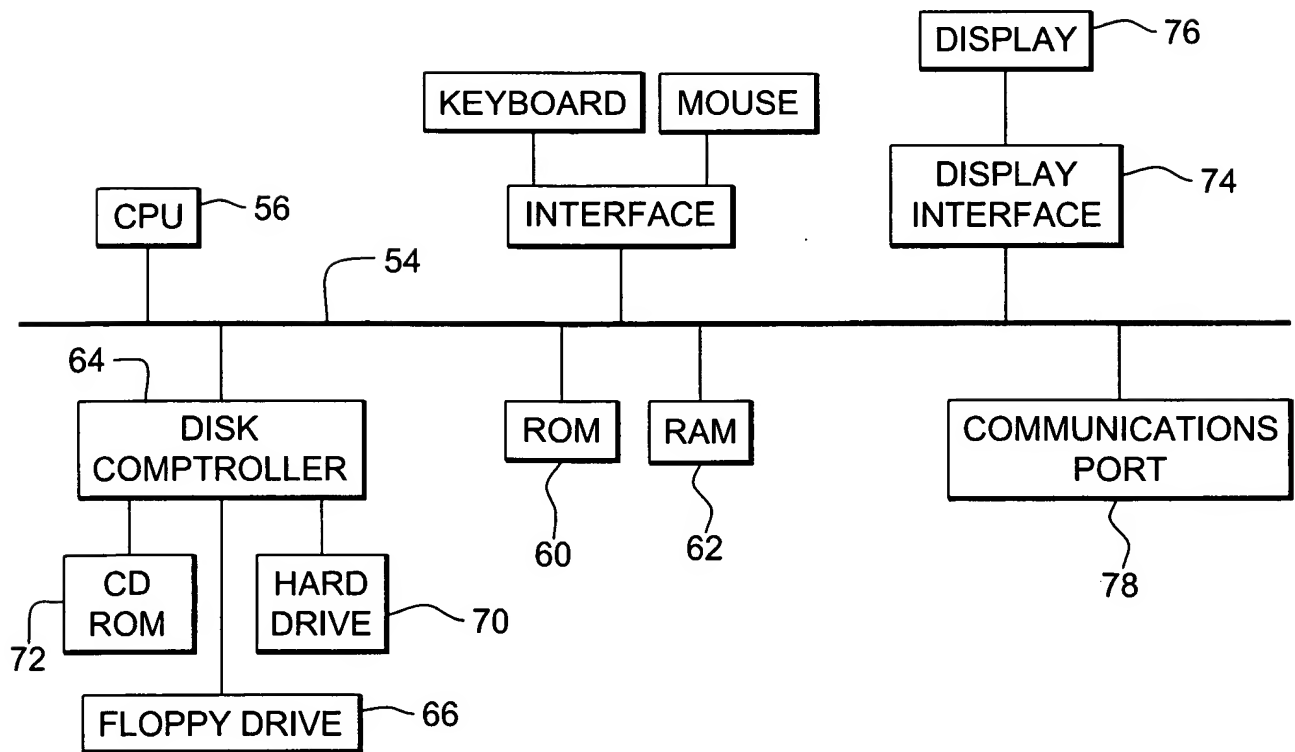


FIG. 5

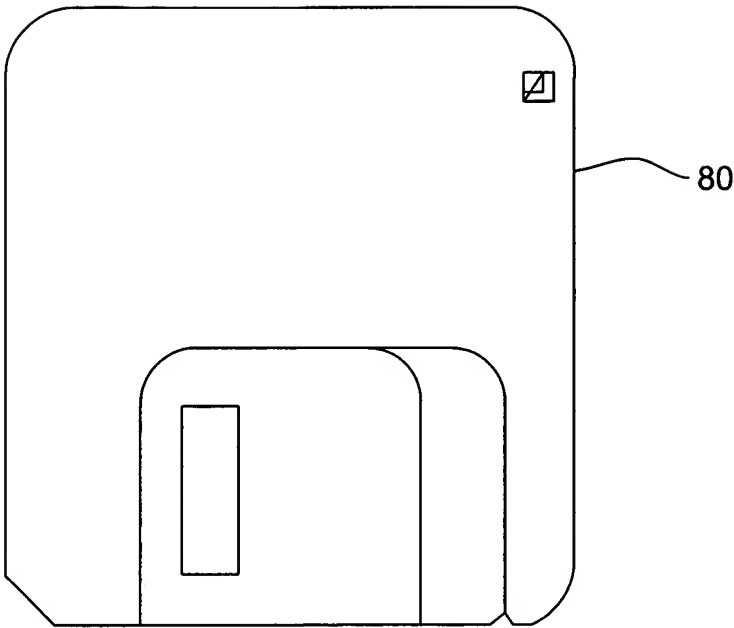


FIG. 6

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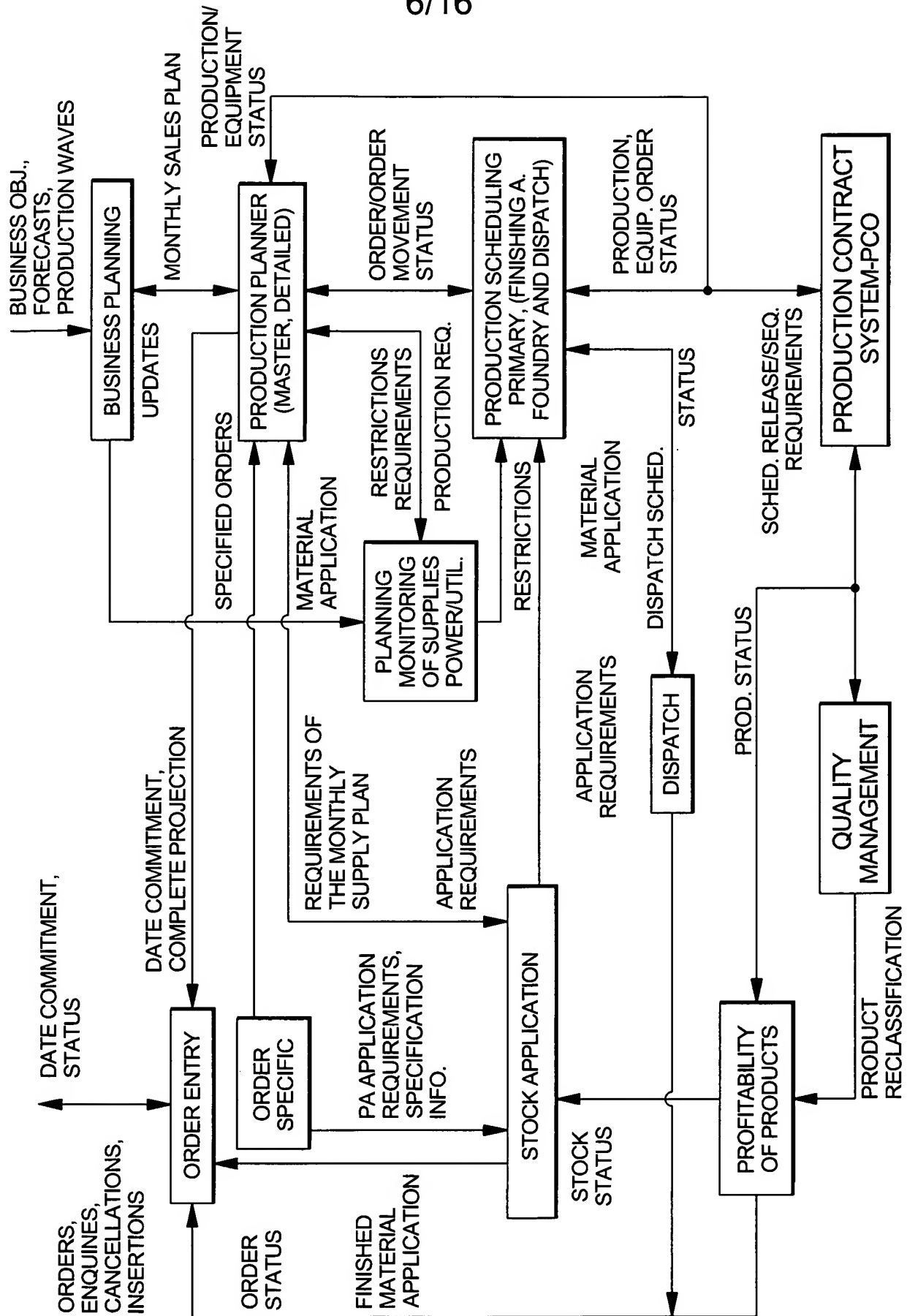


FIG. 7

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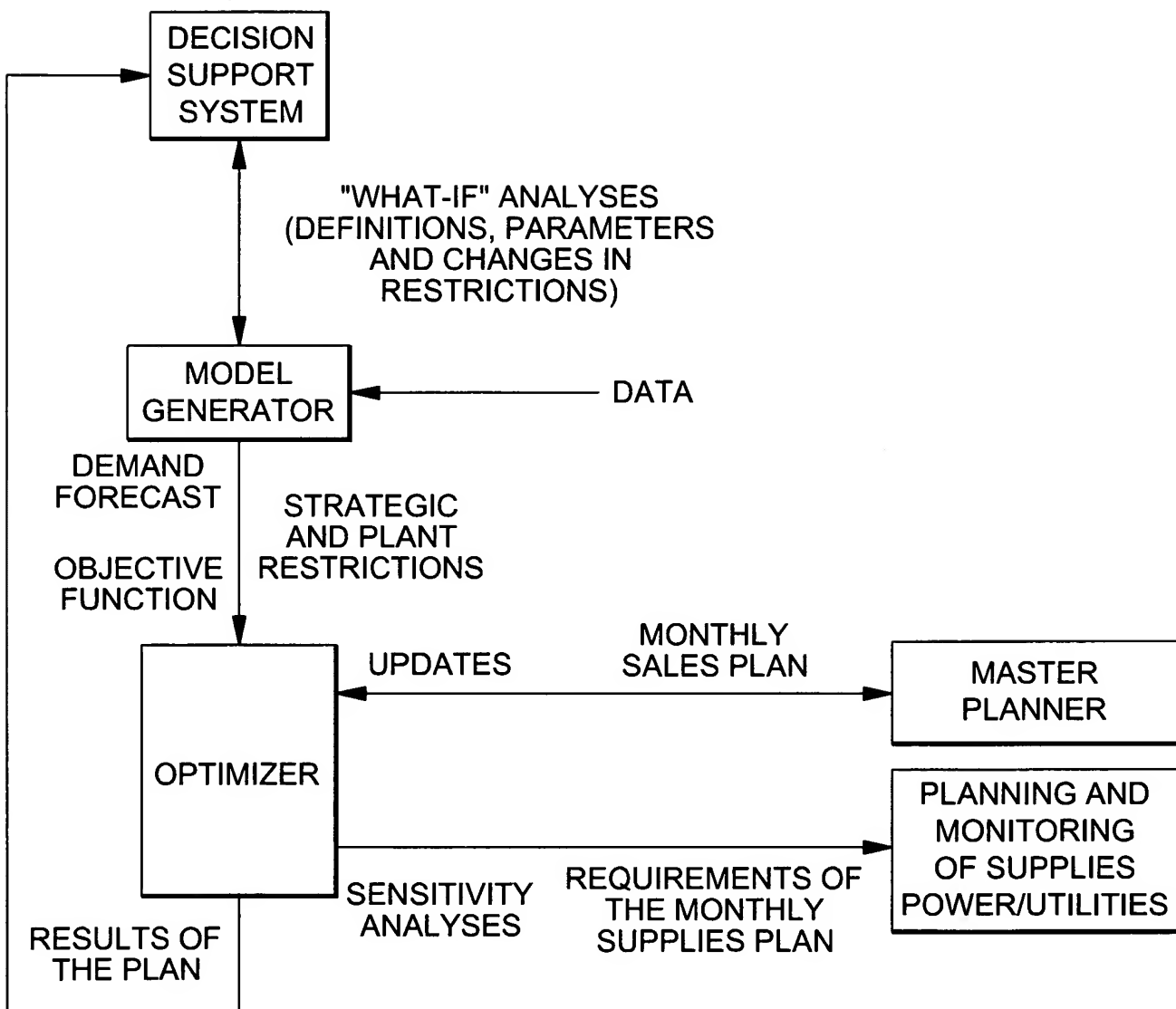


FIG. 8

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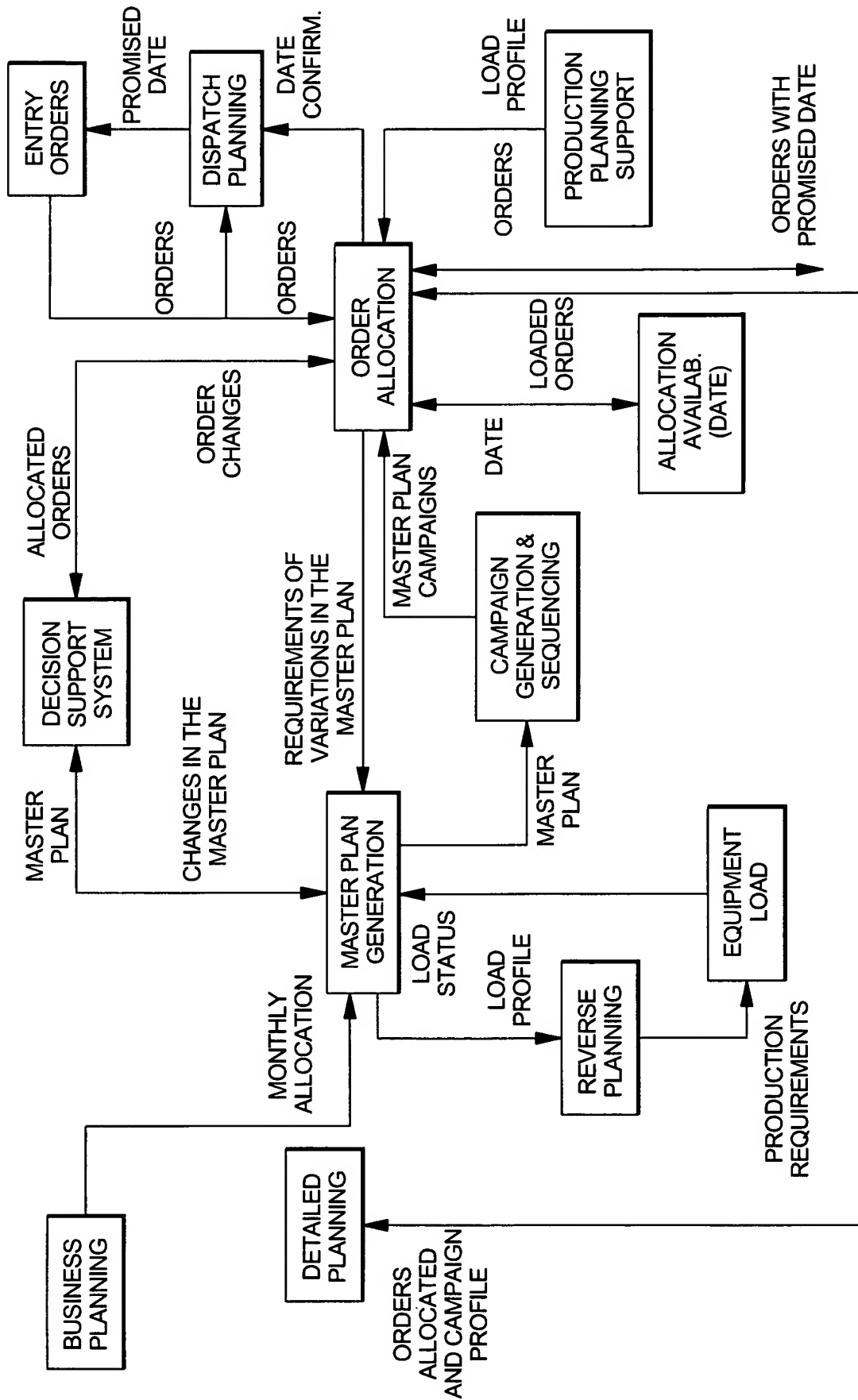


FIG. 9

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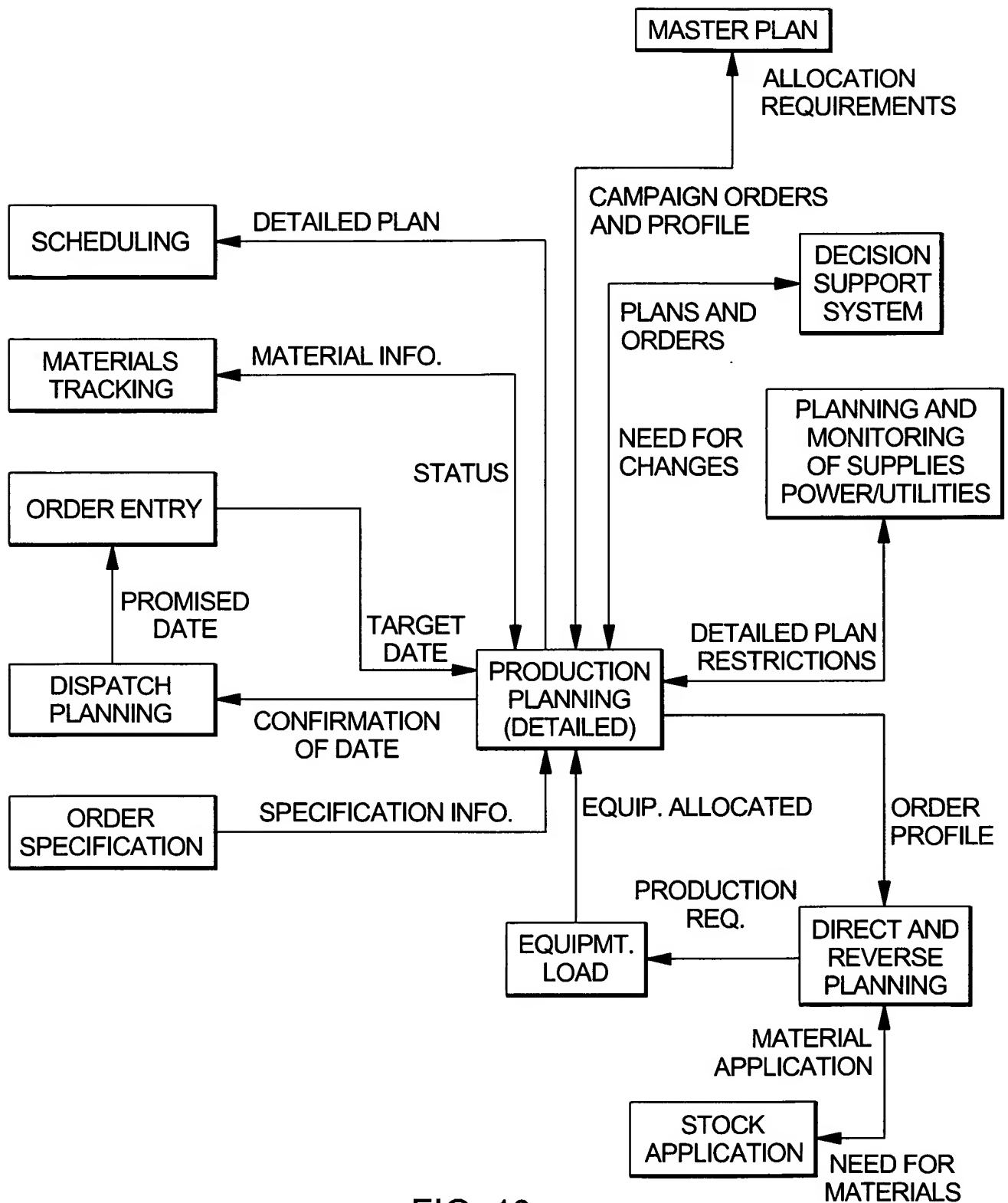


FIG. 10

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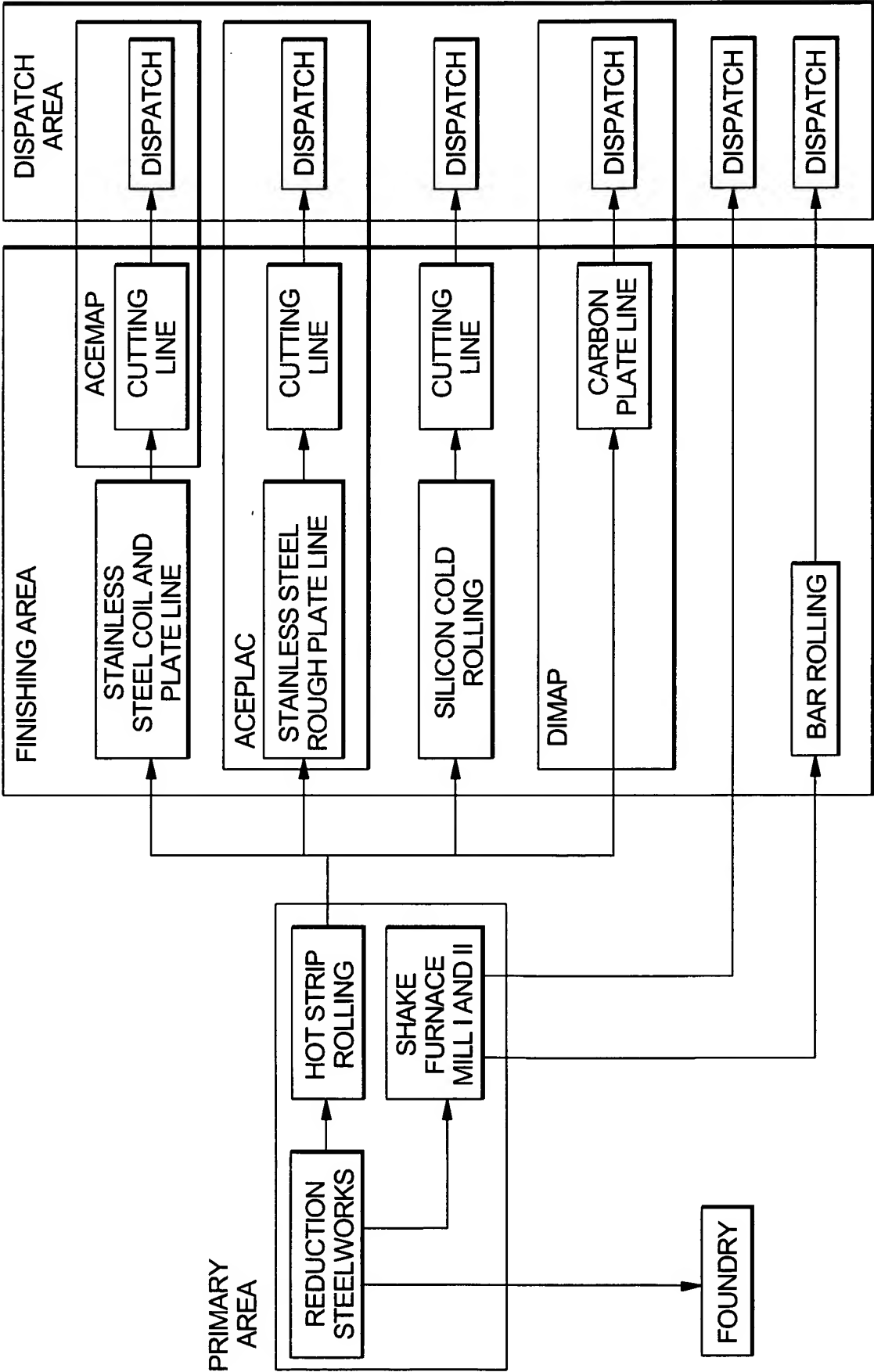


FIG. 11

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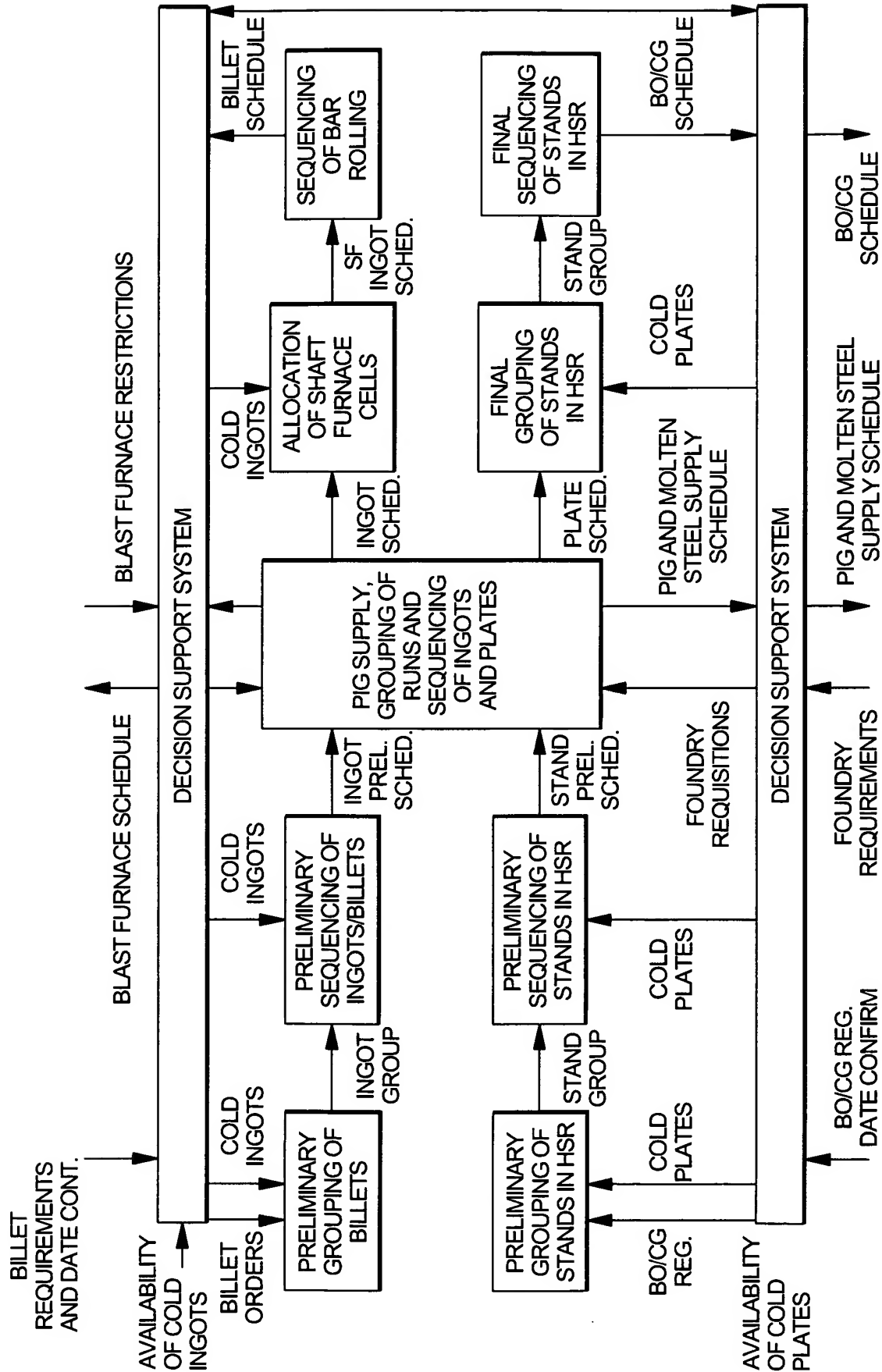


FIG. 12

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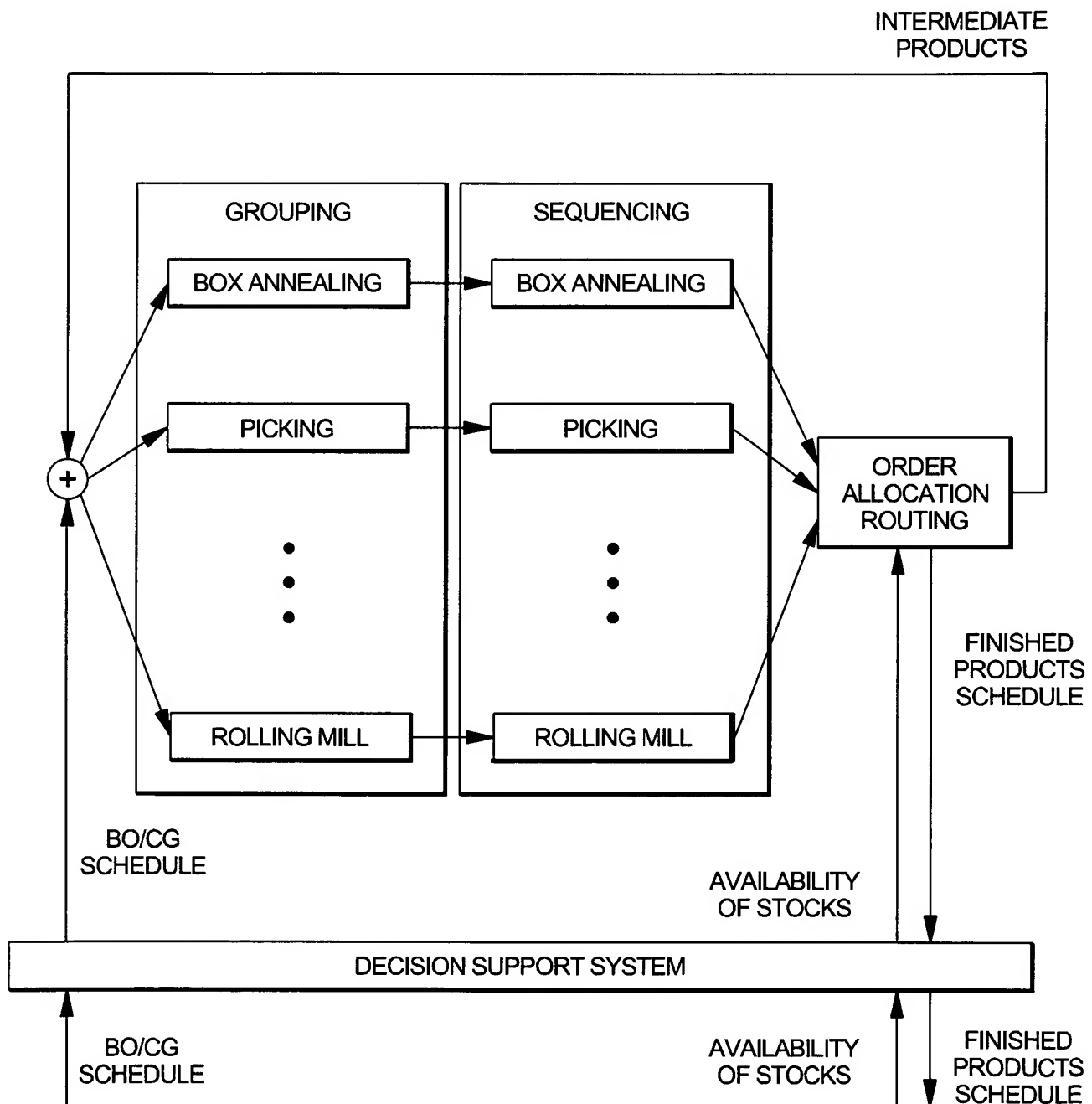


FIG. 13

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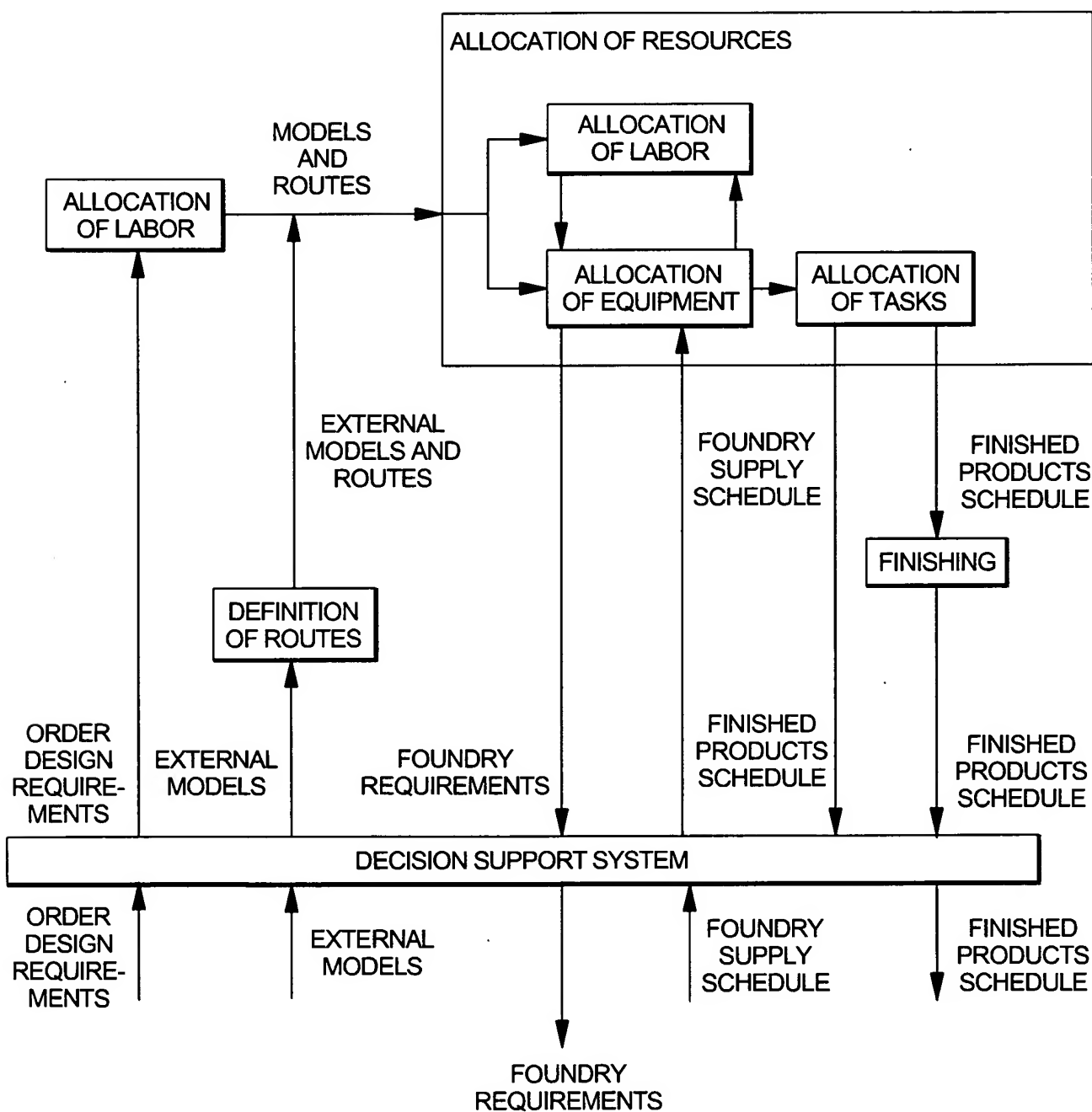


FIG. 14

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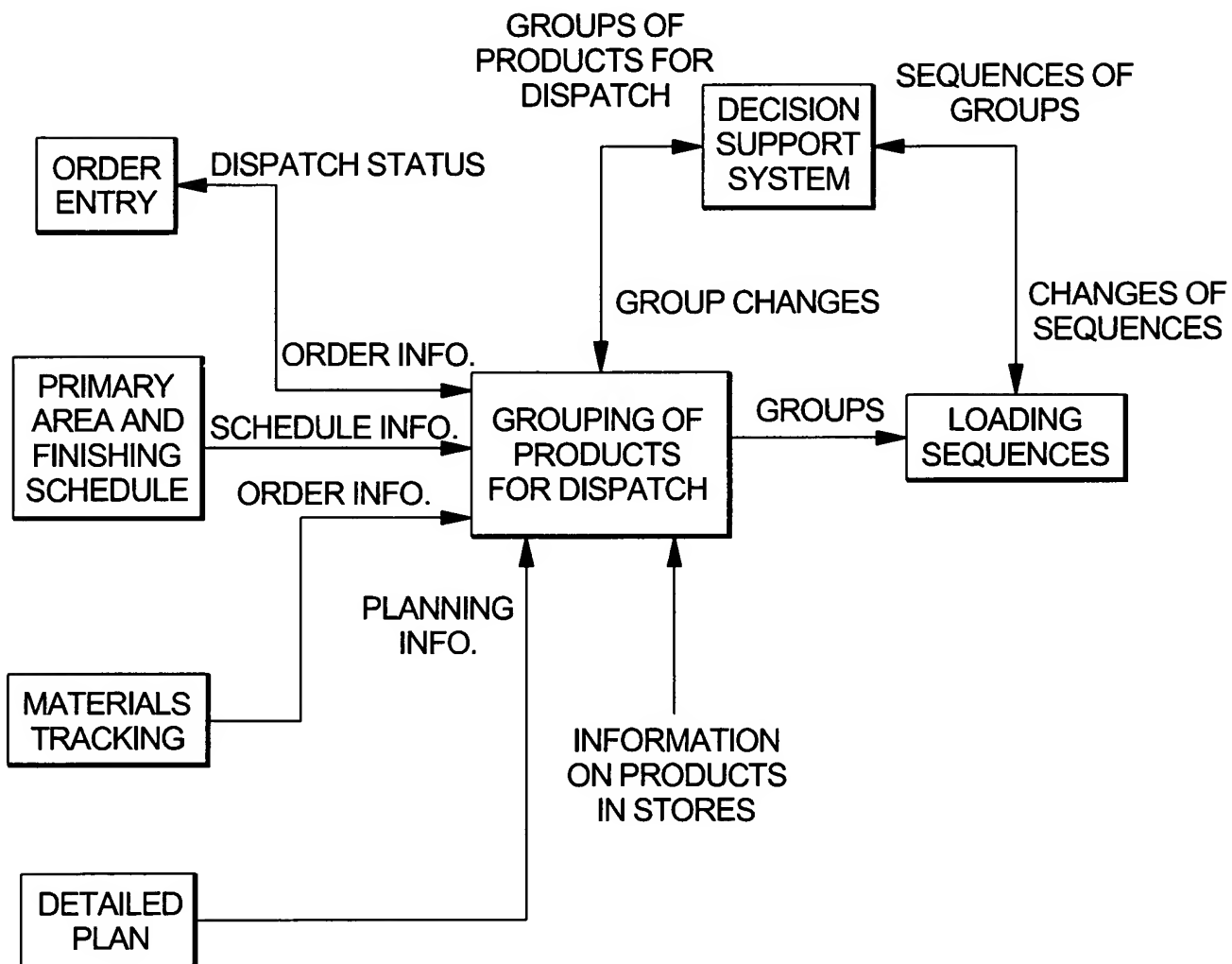


FIG. 15

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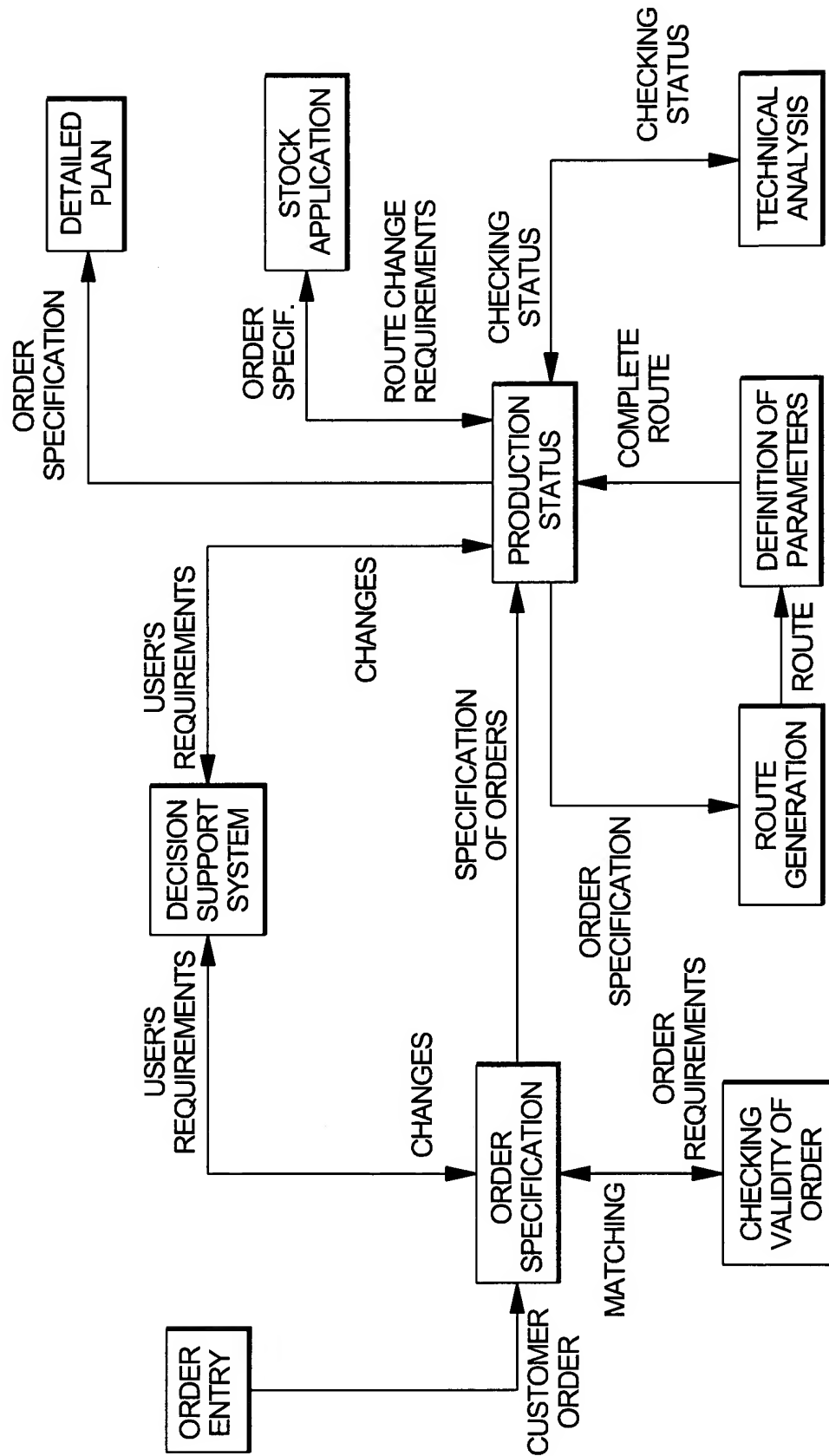


FIG. 16

FIG. 17

